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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09 870,534	05:31 2001	Kamalesh K. Srivastava	F1S920000349US1	1332
32074	7590 06/20/2003			
INTERNATIONAL BUSINESS MACHINES CORPORATION DEPT. 18G BLDG. 3(0)-482			EXAMINER	
			UMEZ ERONINI, LYNETTE T	
2070 ROUTE 52 HOPEWELL JUNCTION, NY 12533			ART UNIT	PAPER NUMBER
			1765)
			DATE MAILED: 06/20/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

			X				
	Application No.	Applicant(s)					
Advisory Action	09/870,534	SRIVASTAVA ET A	L				
Advisory Addon	Examiner	Art Unit					
	Lynette T. Umez-Eronini	1765					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
THE REPLY FILED 02 June 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.							
PERIOD FOR REPLY [check either a) or b)]							
a) The period for reply expiresmonths from the mailing date of the final rejection. b) The period for reply expires on (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.							
2. The proposed amendment(s) will not be entered because:							
(a) They raise new issues that would require further consideration and/or search (see NOTE below);							
(b) ☐ they raise the issue of new matter (see Note below);							
(c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) they present additional claims without cancel NOTE:	ing a corresponding number of	finally rejected clair	ms.				
3. Applicant's reply has overcome the following rejection	etion(s):						
4. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).							
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request fo application in condition for allowance because: See		sidered but does NC	OT place the				
6. The affidavit or exhibit will NOT be considered be raised by the Examiner in the final rejection.	cause it is not directed SOLELY	to issues which we	re newly				
7. For purposes of Appeal, the proposed amendment explanation of how the new or amended claims w			and an				
The status of the claim(s) is (or will be) as follows:							
Claim(s) allowed: none.							
Claim(s) objected to: <u>none</u> .							
Claim(s) rejected: <u>1-12,14 and 15</u>							
Claim(s) withdrawn from consideration: <u>13</u>							
8. The proposed drawing correction filed on is	a) approved or b) disapp	proved by the Exam	niner.				
9. Note the attached Information Disclosure Stateme	nt(s)(PTO-1449) Paper No(s).	·					
10. Other:							

Continuation of 5. does NOT place the application in condition for allowance because:

Applicant argues that that since Erk is directed to etching bare silicon wafers and not etching a film having a plurality of solder bumps, then Erk would be inapplicable to improving the uniformity of etching of a film having a plurality of solder bumps as claimed by Applicants. Applicant further argues that a method of etching a wafer having solder bumps a taught by Datta fails to suggest the problem found by Applicant of nonuniform etching nor suggest a method of etching by any other method than dip etching in a cassette-type etching process.

Applicant's arguments are unpersuasive because it has been acknowledged that Erk teaches an article is immersed, rotated in, and removed from a tank of etchant; Erk differs in failing to teach etching a film having a plurality of solder bumps on an article; and Datta is relied upon to teach an article have a plurality of solder bumps. It is the examiner's position that it would have been obvious to one having ordinary skill in the art at the time of the claimed invention to modify Erk's semiconductor wafer (article) by using an article havin solder bumps in the same manner as taught in the claimed invention for the purpose of allowing economical production with simple throughput cassette-type etching process" (Datta, column 7, lines 44-46). Further, since Erk in view of Datta use the same steps and film layer as those of the claimed invention, then combining Erk and Datta would result in a method of improving the uniformity of etching of a film on an article as in the present invention.

BENJAMIN L. UTECH SUPERVISORY PATENT EXAMINER

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